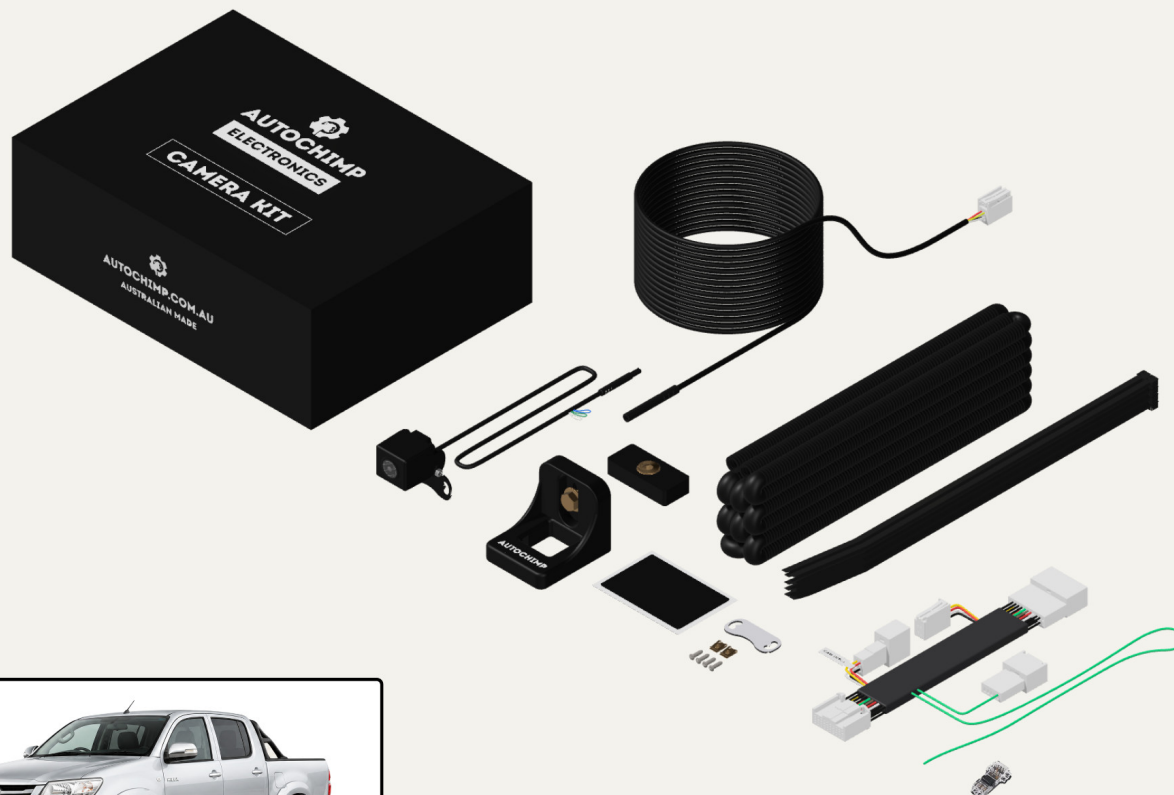
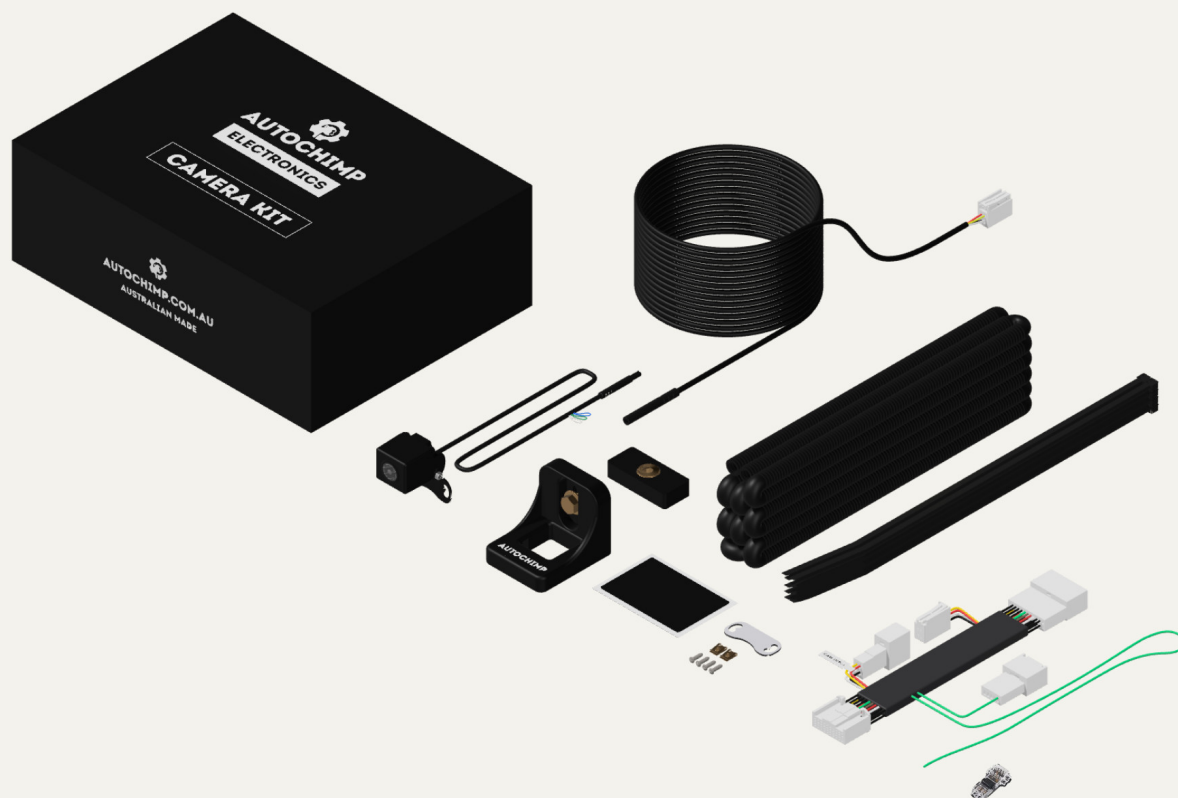


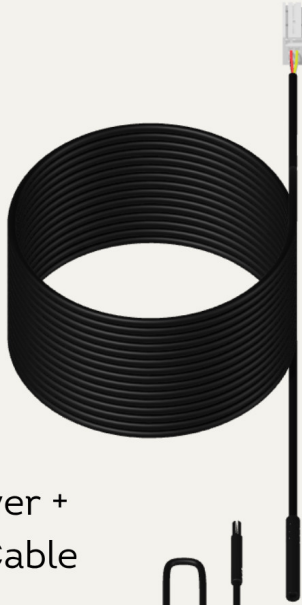


REAR Camera Kit
for Toyota Hilux 2006 - 2013

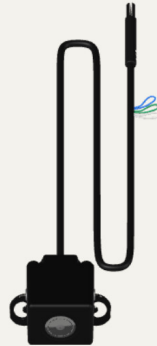


KIT CONTENTS

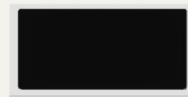
7m Power +
Video Cable



Pro HD Camera + Pro
Mounting Bracket

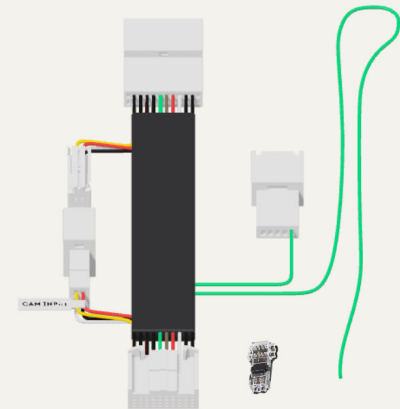


Waterproof
Sealing Tape



Split Tube + Cable Ties

20 Pin Camera Adapter +
Reverse Signal Trigger



Screws, Clips &
Mounting Tape



SKU: AC-TOY-RC1

TOYOTA

AUTOCHIMP



AUTOCHIMP

Tasmania - Explore the possibilities

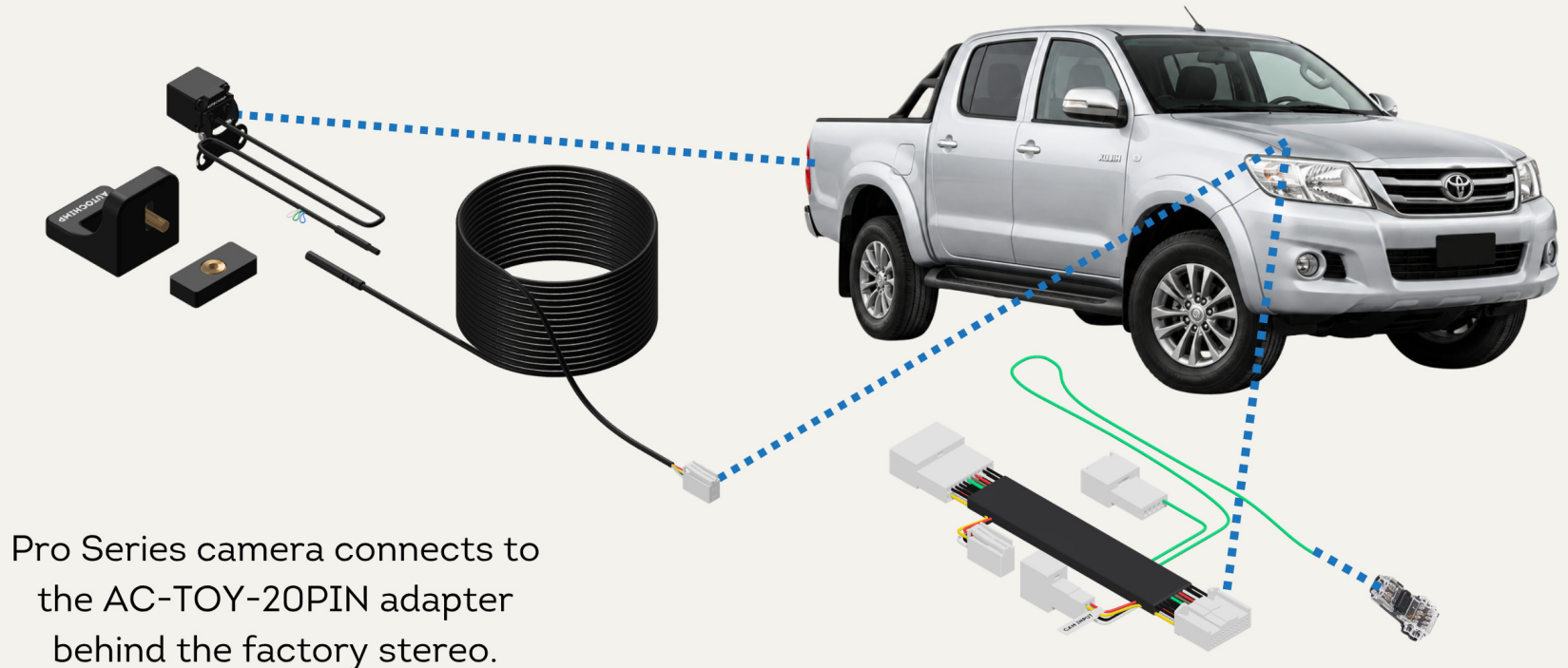


TO

AUTOCHIMP

HOW IT WORKS

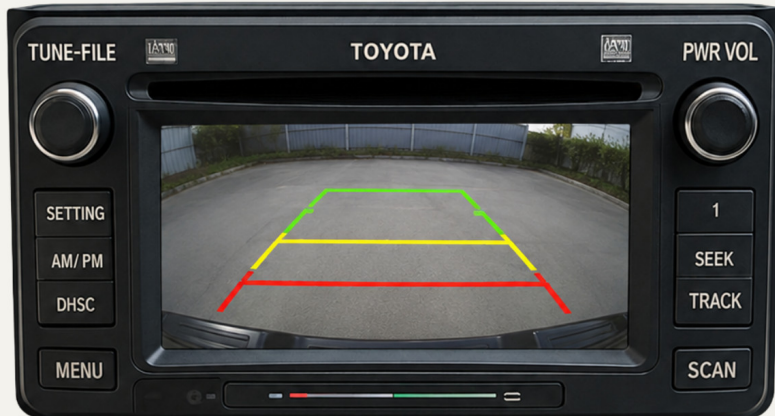
The AC-TOY-RC1 kit includes the Pro Series camera and AC-TOY-20PIN interface harness. Mount the camera, route its cable forward and connect it to the 4-pin camera input on the adapter behind the non-touchscreen factory stereo. Connect the green reverse-trigger wire only if required; see the Connection Guide.



Note: AC-TOY-20PIN Green wire routes to fuse box, see connection guide.
(optional connection for reverse feed)

COMPATIBLE VEHICLES

The AC-TOY-RC1 Kit is built for the NON-TOUCHSCREEN model stereo pictured, with TUNE/FILE and PWR/VOL dials. The Pro series camera connects to the 4-pin port on the AC-TOY-20PIN adapter behind the stereo and powers from the factory unit. It fits the Toyota Hilux 2006 - 2013 models with pictured style.



Supports both Auto & Manual Transmission Vehicles.

Supports all variants such as Workmate, SR, SR5...etc

Suits vehicles with either 12V electrical systems.

Camera feed is 6v, AutoChimp Pro series is designed for direct connection.

PRO SERIES CAMERA

Universal 6V-12V camera for front, rear and custom vehicle installations.

Suitable for compatible Toyota factory screen systems, AutoChimp™ camera interfaces and RCA camera setups.



Modular adjustable mounting brackets allow grille, bumper, tray, canopy or custom mounting.

CAMERA FEATURES

Configurable Camera Display

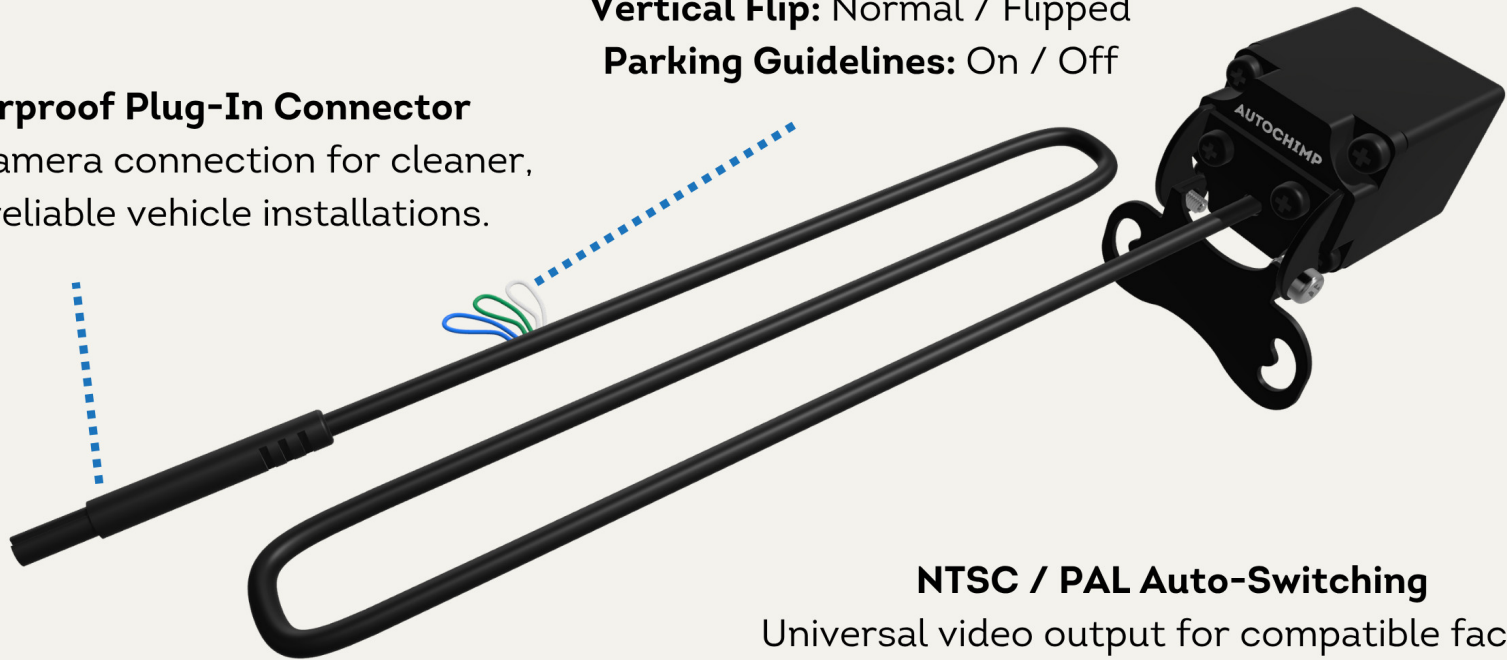
Horizontal Flip: Mirror / Non-Mirror

Vertical Flip: Normal / Flipped

Parking Guidelines: On / Off

Waterproof Plug-In Connector

Sealed camera connection for cleaner, more reliable vehicle installations.



NTSC / PAL Auto-Switching

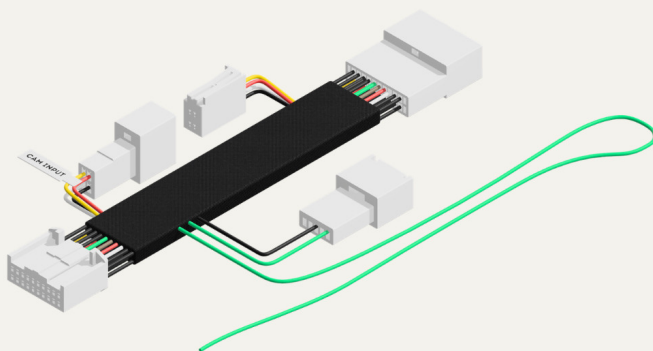
Universal video output for compatible factory screens and RCA display systems.

6V-12V Compatible

Ready for compatible Toyota factory screen systems, AutoChimp interfaces and RCA camera setups.

DIMENSIONS

Adapter Harness



Cables Length: 100mm
Overall Length: 150mm
Green Cable: 500mm

5 Pin Connector

Width: 18.5mm
Height: 13mm



Alternate reverse signal input – connect reverse directly here where the vehicle has a factory reverse plug.

4 Pin Connector



Width: 11mm
Height: 18mm



Width: 10mm
Height: 17mm

20 Pin Connector



Width: 28mm
Height: 13mm

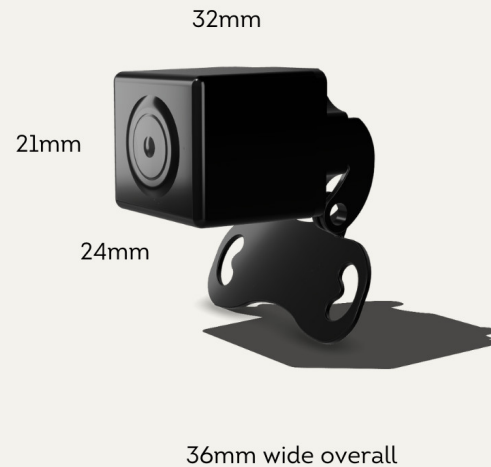


Width: 25mm
Height: 10mm

CAMERA DIMENSIONS



Mounting Bracket
Bracket Camera Assembly



Camera Body

DISPLAY IMAGE QUALITY



AutoChimp™ Pro Series cameras support HD CVBS output (NTSC / PAL).
Final on-screen image quality depends on the display's supported video
format and resolution.

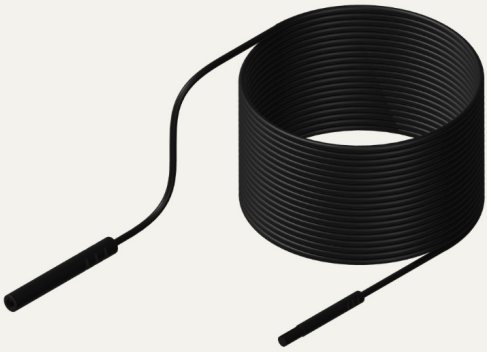
Pro Series cameras provide a clear image in both daytime and low-light conditions.

Example shown on 70 Series and N80 Hilux factory displays.

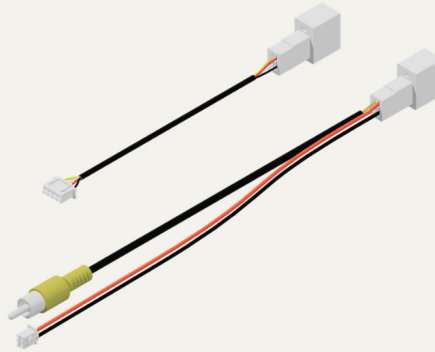
The OEM Toyota stereos are not AHD, their format is CVBS (NTSC).

OPTIONAL ACCESSORIES

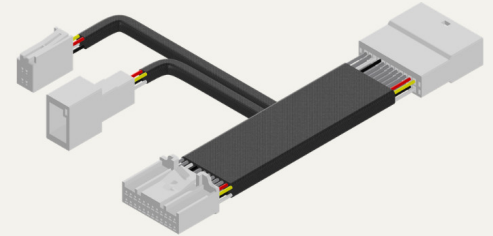
The Pro series camera has various accessories available to help with your installation.



8m Extension Cable



Power Connectors



Vehicle Specific Adapters



Rear + Tray Mounting
Brackets

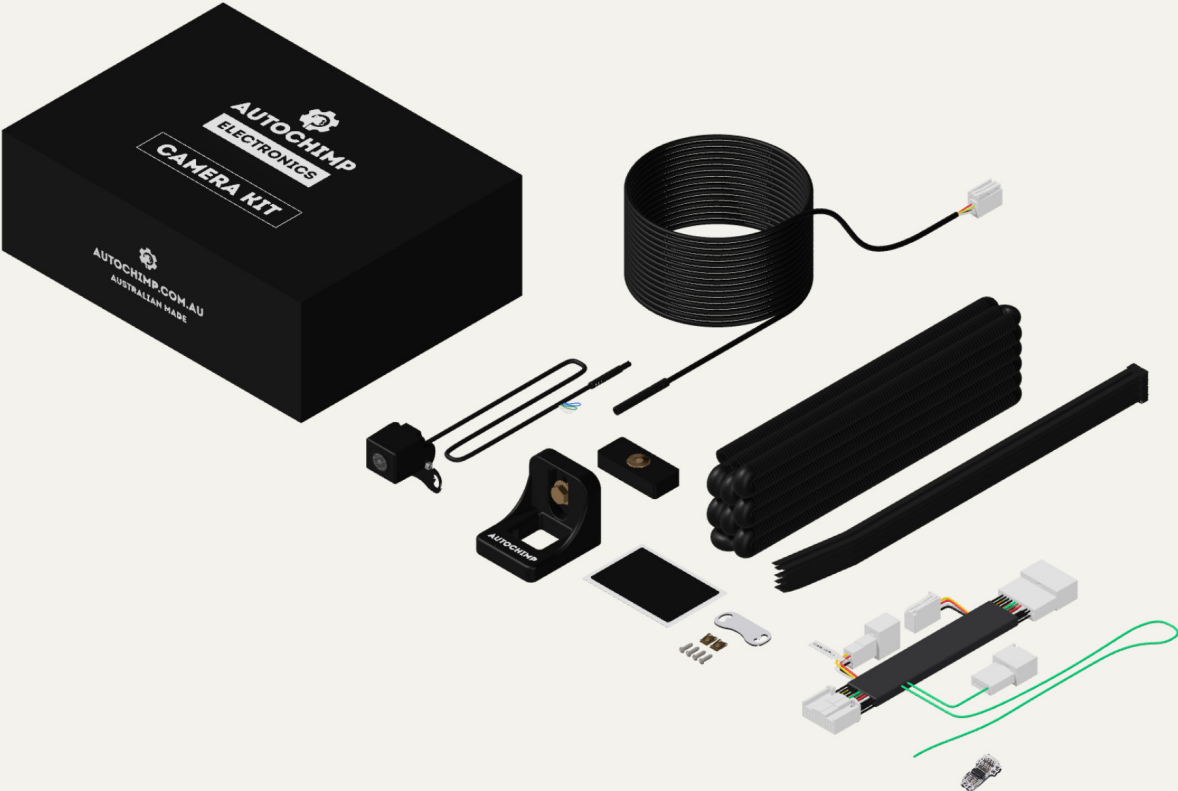


Cable Ties + Split
Tubing + Sealing Tape



Front Camera Mounts

WHAT'S INCLUDED

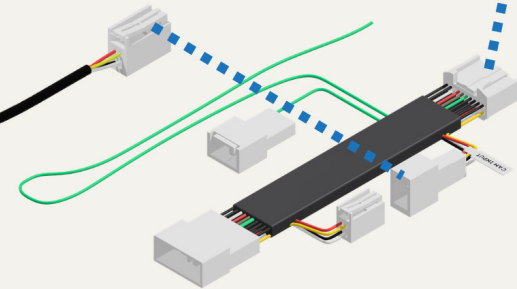


SKU: AC-TOY-RC1

QUICK START GUIDE

1. Mount the camera.
2. Route the camera cable.
3. Camera connects to AC-TOY-20PIN
4. Green Wire connects to fuse box if required. See Connection Guide.
5. Configure image flip or guidelines if required.

Camera connects to the AC-TOY-20PIN adapter behind the stereo.



Green Wire connects to fuse box if required. See Connection Guide.



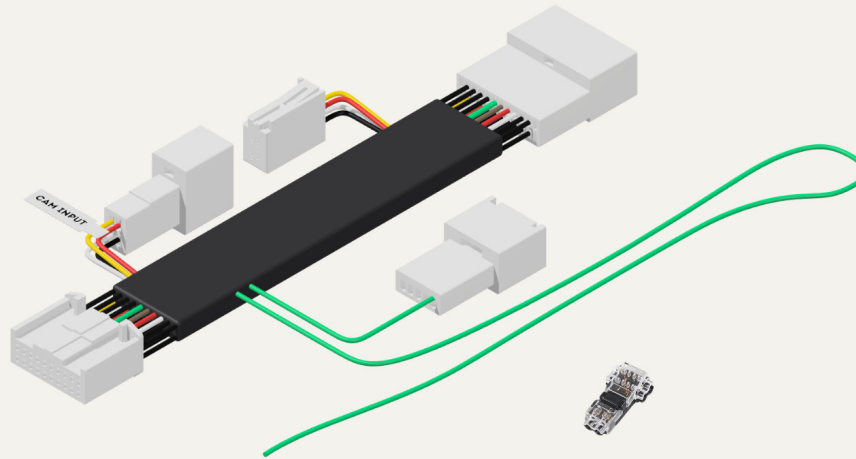
<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V - Power	 Red
• Pin 2	Ground / Earth	 Black
• Pin 3	Video - / Shield	 White
• Pin 4	Video + Signal	 Yellow
• Cable	Reverse 12v Input	 Green

CAR SPECIFIC WIRING

Toyota Hilux 2006–2013 (Non-Touchscreen Stereo)

The AC-TOY-20PIN is a reverse camera interface harness for factory stereos with volume dials and 3.5" screen.

Installs behind the stereo (also fits select other 20-pin Toyota models such as the early model Prado).



In the RC1 kit it carries the reverse signal to the stereo through the 5 Pin white plug.

Most 2006–2013 Hilux already have that signal in the factory plug, so the harness simply plugs in.

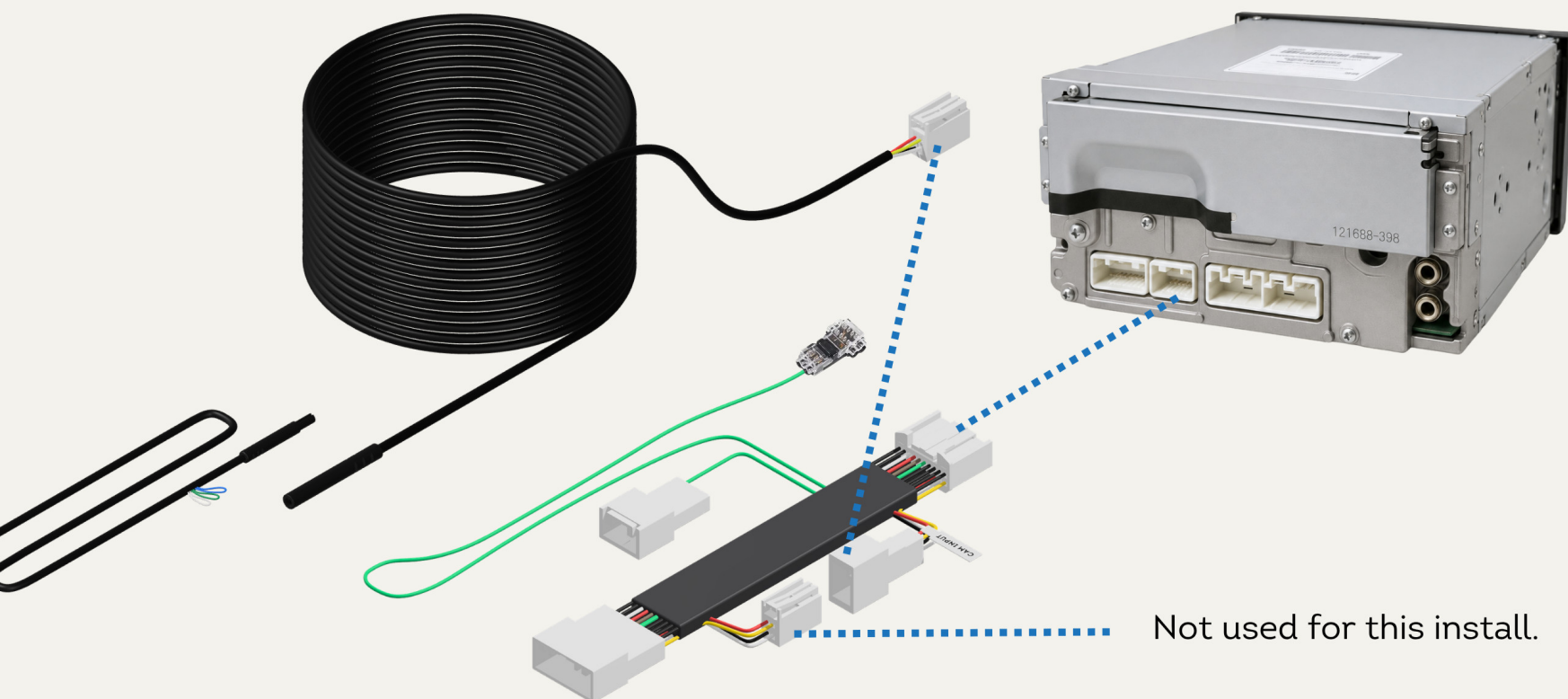
If yours does not, connect the green wire at the fuse box. See the Connection Guide.

SKU: AC-TOY-20PIN

CONNECTION LOCATION

For most Toyota Hilux (2006–2013) models, this kit is fully plug-and-play, automatically receiving the reverse signal from the factory stereo plug into the 5 Pin white connector.

The AC-TOY-20PIN Green Wire Reverse Light Trigger Connection is for certain models only. If your Hilux does not have a reverse signal in the vehicle from factory stereo plugs, if missing follow the connection guide on next page.



CONNECTION GUIDE

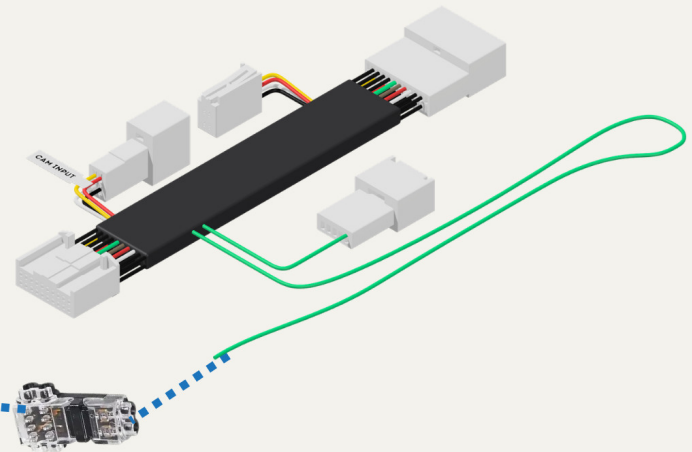
LOCATION: Drivers side fuse box.

(Required if your vehicle doesn't have the 5 Pin OEM reverse plug behind stereo)

The GREEN wire with SNAPTAP connector should be routed to the drivers side fuse box. Tap onto the **RED/WHITE** wire in the centre of the vertical plug.

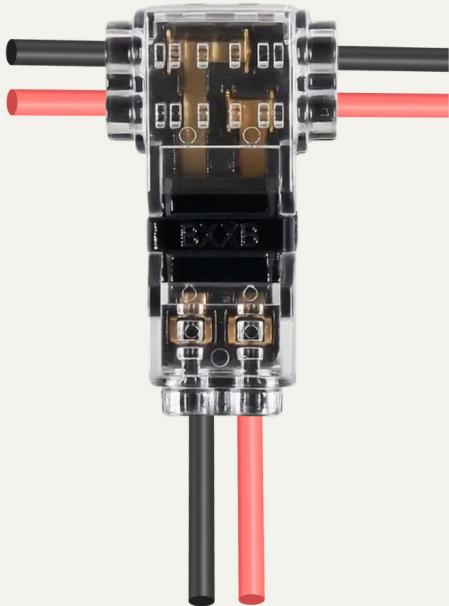
See picture shown.

Use provided AutoChimp™ SnapTap to connect.



This 20 Pin Harness plugs in behind stereo.
Green wire connection is only required if your vehicle doesn't have the original reverse trigger in OEM 5 pin plug behind stereo.

HOW TO USE WIRE TAP



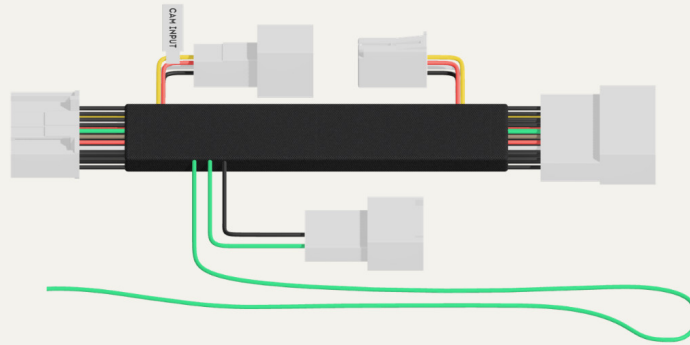
**Tap up to TWO wires directly onto any
cables solder free.
Suitable for 20 - 24 AWG wire gauge.**

Simple push cables into T-Tap
and press clear cover down onto
cables. Wires will crimp to
terminals.

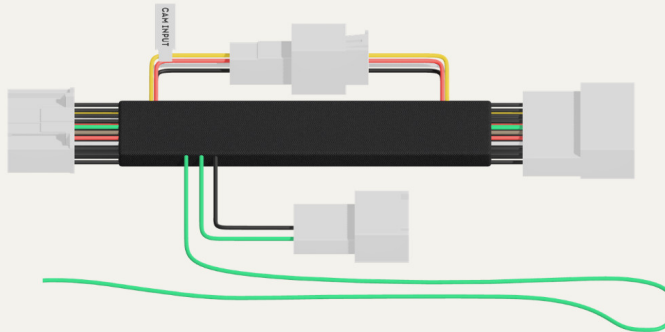


FULL PASS-THROUGH

All 20 factory pins carry straight through the harness, so every OEM circuit stays connected. On this kit the 4-pin pair must stay open – for camera connection.



OPEN – correct for this kit. The camera connects here.

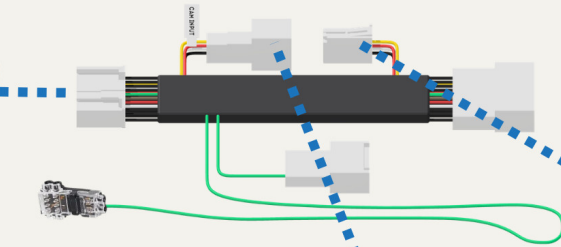


CLOSED – not used on this vehicle. Used to restore factory connection only.

On the Hilux (2006–2013) the camera plugs into the 4-pin camera port on the 20 Pin connector, which then plugs into the rear of the factory stereo.

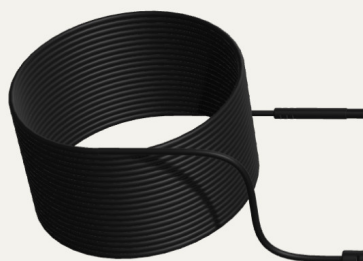
FITMENT GUIDE

AutoChimp™ HD Pro Camera connects directly to AutoChimp™ Camera Adapter Harness. Use either option depending on your model vehicle.

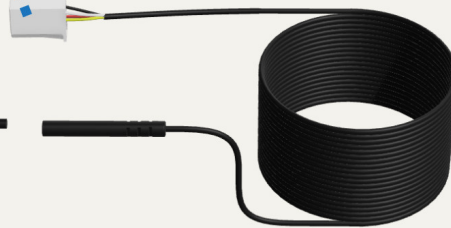


AC-TOY-20PIN ~ Install behind stereo.
Green wire routes to fuse box left of steering column. (if required)

Pass-through connector – stays open for RC1 installation



Extension Cable
8m



Power Cable
1m

Power / Video Cable
7m



MODULAR CAMERA MOUNTING SYSTEM

Multi-Directional Mounting

The camera can be used as a front, rear, side, tray, canopy or custom vehicle camera. It can be mounted directly in its metal housing or paired with AutoChimp™ mounting brackets.



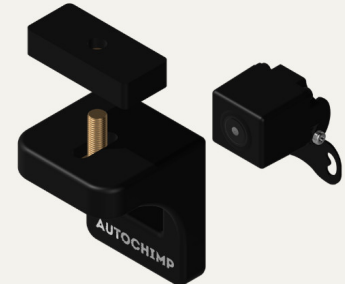
Alternative ABS-GF Mounting Brackets Available



Rear + Tray Mounts



Front Camera Mounts



Universal Rear Mounts



CAMERA SETUP

PRO SERIES CAMERAS



Three loop wires set the camera output. **Cut a loop to switch that option; rejoin it to switch back.** Test the picture before you seal the cable.



White — Mirror / Non-Mirror

Joined = mirror (rear), cut = non-mirror (front). Switches between rear-view and front-view orientation.



Blue — Vertical Flip

Joined = normal, cut = flipped. Corrects the image when the camera is mounted upside down.



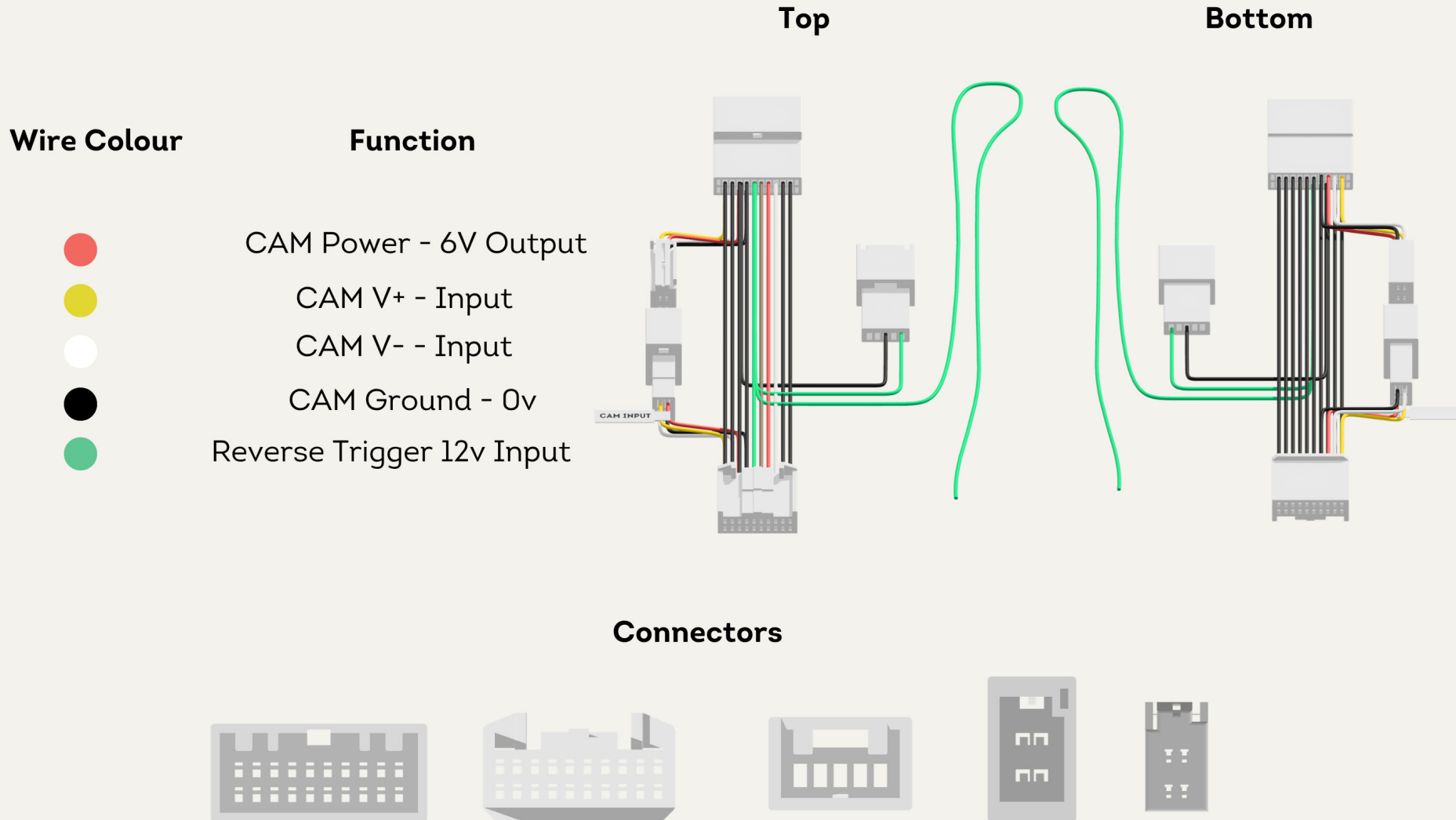
Green — Parking Guidelines

Joined = on, cut = off. Turns the on-screen guidelines on or off.

Scan the QR on your info card

SMS +61 411 101 737

WIRING DIAGRAM



PRO SERIES

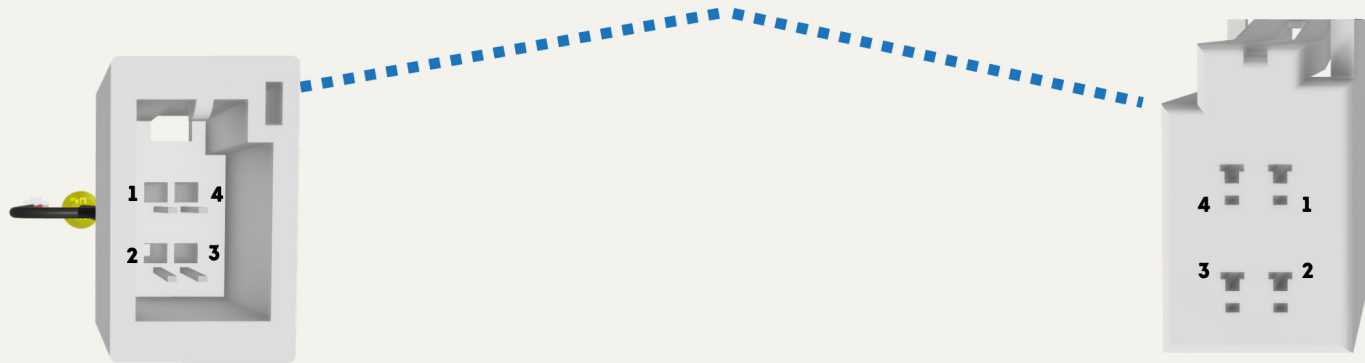
4 PIN CONNECTOR PIN OUT

Female Side (Towards Display)

Male Side (From Camera)

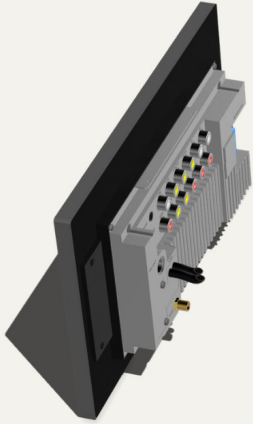
Important:

View connector face with orientation tab at top.



<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V Power	Red
• Pin 2	Ground / Earth	Black
• Pin 3	Video - / Shield	White
• Pin 4	Video + Signal	Yellow

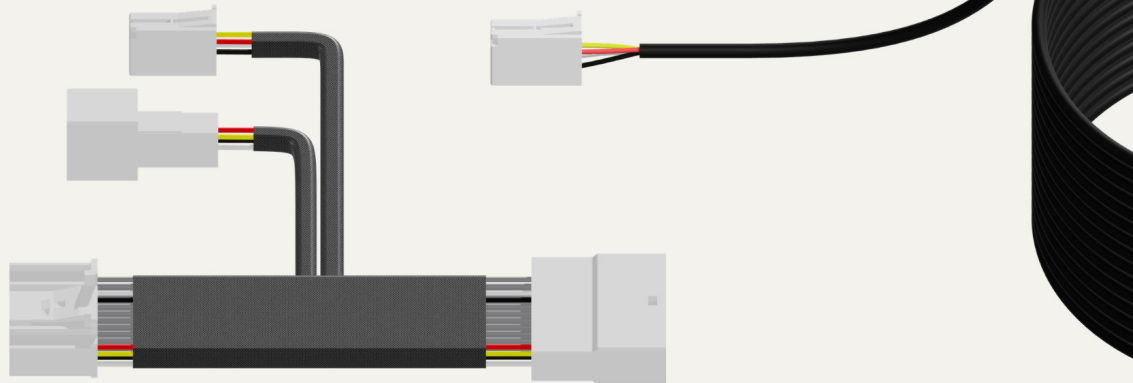
CAMERA INTERFACING



The AutoChimp™ Adapters can be used for direct connection to AutoChimp™ Dual + Quad Camera systems and are a universal connection to stereos & screens with composite video input.

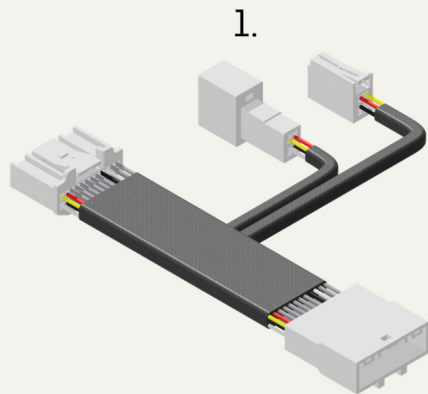


AutoChimp™ cameras can also be connected directly to factory Toyota screens or through our OEM integration adapters & patch harnesses.

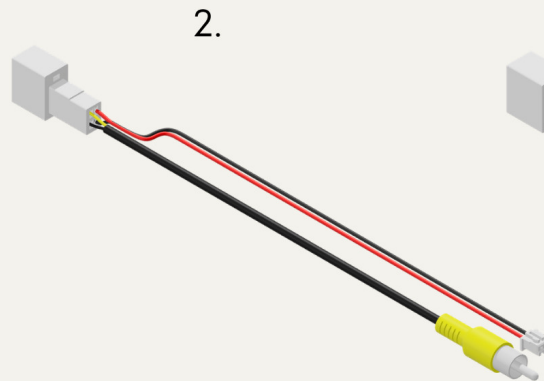
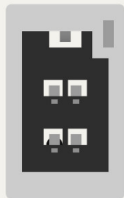


OTHER CONNECTION TYPES

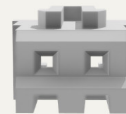
1. **AutoChimp™ OEM Adapters** - 4 Pin Direct Connection (Toyota Style)
2. **AutoChimp™ RCA Adapter** - RCA Video + 2-PIN JST Power
3. **AutoChimp™ PCB Adapter** - 4-Pin JST Video + Power



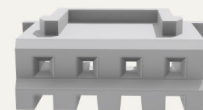
4 Pin Direct Connect



RCA Output + 2 Pin JST



4 Pin JST



(Adapters Sold separately or included with Kits)

INSTRUCTIONS

REVERSE CAMERA KIT FOR TOYOTA HILUX

SKU AC-TOY-RC1 · 2006–2013

Scan for the install walkthrough on our website: the full video guide, wiring diagram and fitment guide for this kit.

INSTALL VIDEO

WIRING DIAGRAM

FITMENT GUIDE

Or type autochimp.com.au/guide/ac-toy-rc1

Stuck? SMS +61 411 101 737, Mon–Fri 10am–4pm AEST

3-year warranty · see the warranty card in this box



[GUIDE + VIDEO](#)



LOGIN & RETURNS

Scan the code with your phone camera to open your AutoChimp account. No password needed — we email you a six-digit code.

- Track your order and download tax invoices
- Start a return, exchange or warranty claim
- Lodge a Shipping Protection claim
- Find every install guide for what you bought

accounts.autochimp.com.au · support@autochimp.com.au



YOUR ACCOUNT